

Attachment 2

List of Top 25 NOx Sources in the San Joaquin Valley Air Basin

Rankings		SOURCE CATEGORY	1999		2010	
1999	2010		NOx (tpd)	% of Total	NOx (tpd)	% of Total
1	1	HEAVY DUTY DIESEL TRUCKS	100.0	17.0%	72.1	16.7%
2	2	FARM EQUIPMENT	84.8	14.4%	54.9	12.7%
7	3	AGRICULTURAL IRRIGATION PUMPS*	43.5	7.4%	54.3	12.6%
8	4	MANUFACTURING AND INDUSTRIAL	36.2	6.2%	40.0	9.3%
5	5	OFF-ROAD EQUIPMENT	51.8	8.8%	34.5	8.0%
6	6	OIL AND GAS PRODUCTION (COMBUSTION)	47.3	8.1%	34.4	8.0%
3	7	LIGHT AND MEDIUM DUTY TRUCKS	66.3	11.3%	33.0	7.6%
4	8	LIGHT DUTY PASSENGER	52.2	8.9%	19.7	4.6%
10	9	SERVICE AND COMMERCIAL	13.5	2.3%	14.4	3.3%
9	10	TRAINS	19.9	3.4%	10.8	2.5%
11	11	GLASS AND RELATED PRODUCTS	12.0	2.0%	10.1	2.3%
14	12	FOOD AND AGRICULTURE (INDUSTRIAL PROCESSES)	9.3	1.6%	8.1	1.9%
13	13	HEAVY DUTY GAS TRUCKS	10.8	1.8%	7.2	1.7%
12	14	COGENERATION	11.5	2.0%	6.7	1.6%
16	15	RECREATIONAL BOATS	3.5	0.6%	5.3	1.2%
18	16	AIRCRAFT	3.3	0.6%	3.9	0.9%
15	17	FOOD AND AGRICULTURAL PROCESSING (COMBUSTION)	3.9	0.7%	3.6	0.8%
19	18	ELECTRIC UTILITIES	3.1	0.5%	3.1	0.7%
17	19	RESIDENTIAL FUEL COMBUSTION	3.3	0.6%	3.0	0.7%
20	20	AGRICULTURAL AND PRESCRIBED BURNING	2.9	0.5%	2.8	0.7%
22	21	PETROLEUM REFINING (COMBUSTION)	1.5	0.3%	2.4	0.6%
23	22	MINERAL PROCESSES	1.5	0.2%	1.7	0.4%
21	23	HEAVY DUTY DIESEL URBAN BUSES	1.8	0.3%	1.7	0.4%
24	24	MOTOR HOMES	1.0	0.2%	0.8	0.2%
25	25	SCHOOL BUSES	0.7	0.1%	0.8	0.2%
		TOTAL OF TOP 25	585.8	99.7%	429.3	99.5%
		* (We recognize that additional work needs to be done on this category.)				
This inventory taken from CEIDARS (October 2002), OFFROAD Model (September 2001) and EMFAC 2001 v. 2.08 (November 2001)						